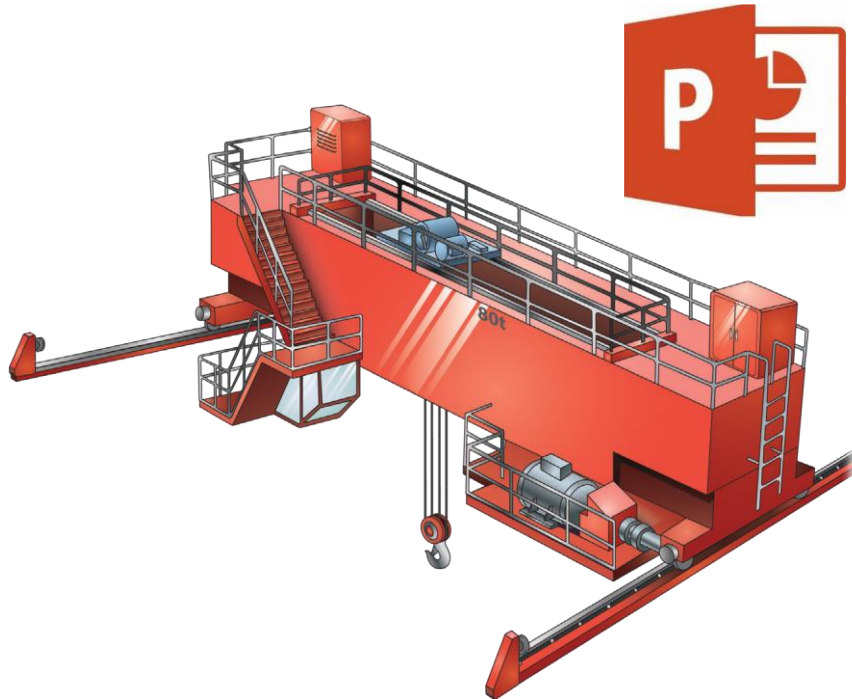


Bridge and gantry Crane

SAFETY AND LICENCE GUIDE



Training support material for:

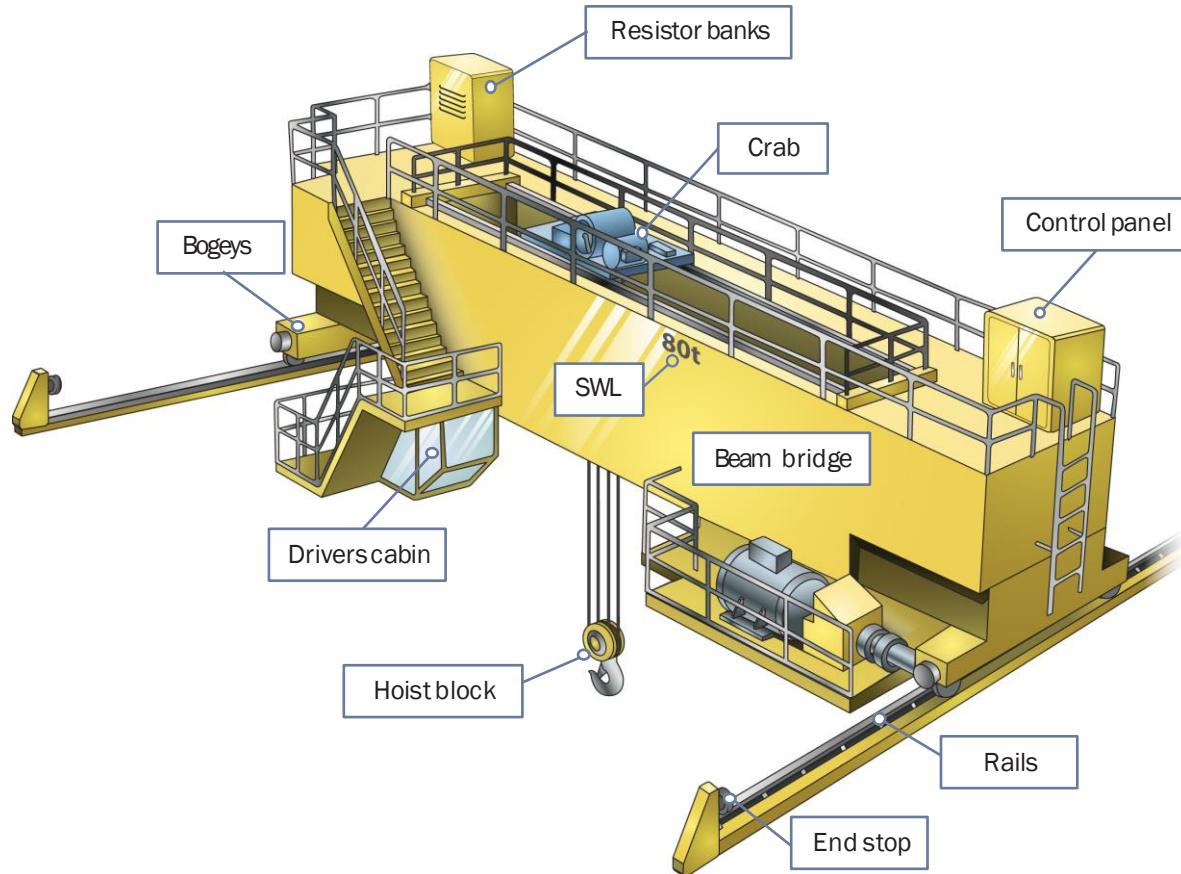
TLILIC0006

Licence to operate a
bridge and gantry crane

Produced by:

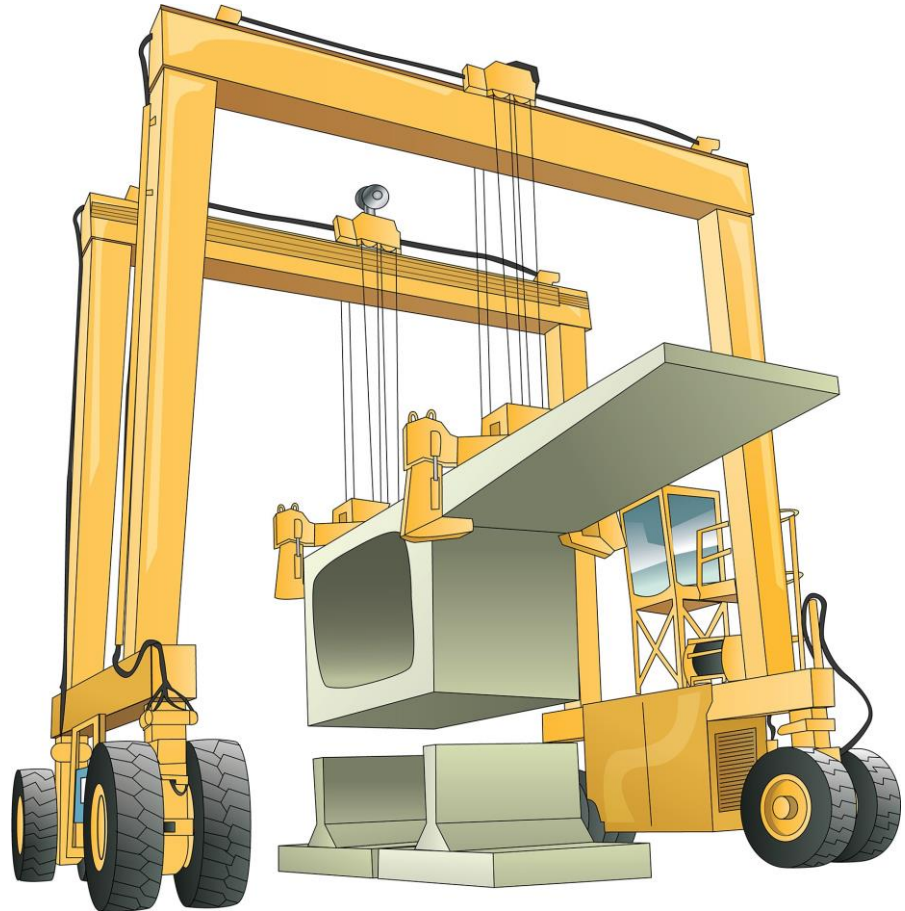


Parts of a bridge crane



What is a gantry crane?

- A gantry crane has a bridge beam which is supported by legs
- The legs are mounted on carriages which move along supporting surfaces or deck levels
- They have a crab with at least one hoisting mechanism which moves from side to side across the bridge
- Gantry cranes are used in factories and outdoor areas including railway and shipping yards



Conduct routine checks

Chapter 2



QUESTION 35

When do you put your hazard (risk) controls in place?

QUESTION 36

What type of tagline do you use when you work near powerlines?

QUESTION 37

What is the smallest tagline you can use?

QUESTION 38

How do you control the movement of vehicles, mobile plant or people on site?

QUESTION 39

What do you need when working in the dark?

QUESTION 40

How do you safely access the crane's cabin?

QUESTION 41

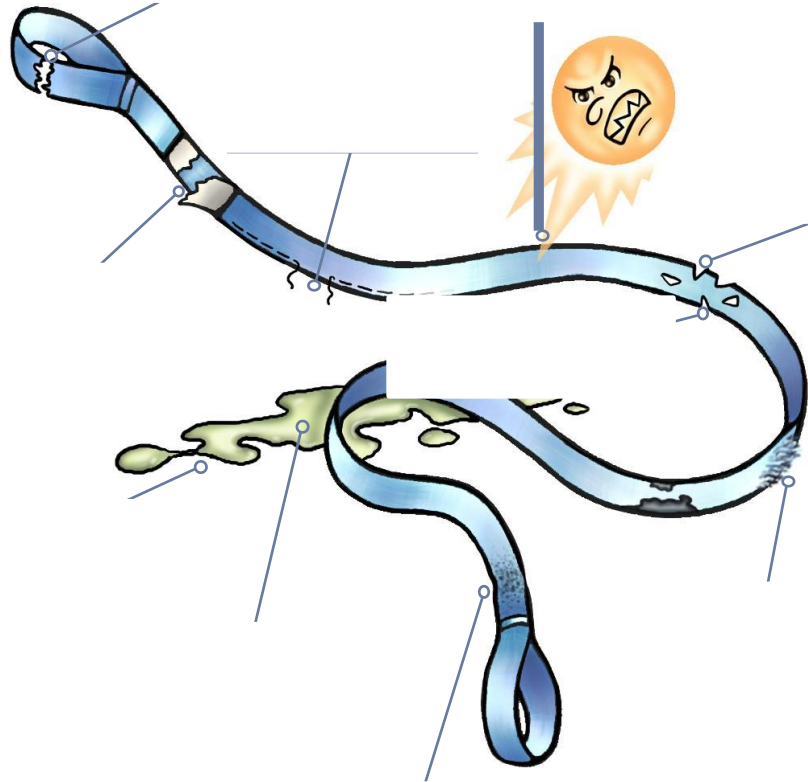
What are some examples of obvious defects on a crane?

QUESTION 42

What sort of damage would mean that shackles are **not** safe to use for lifting?

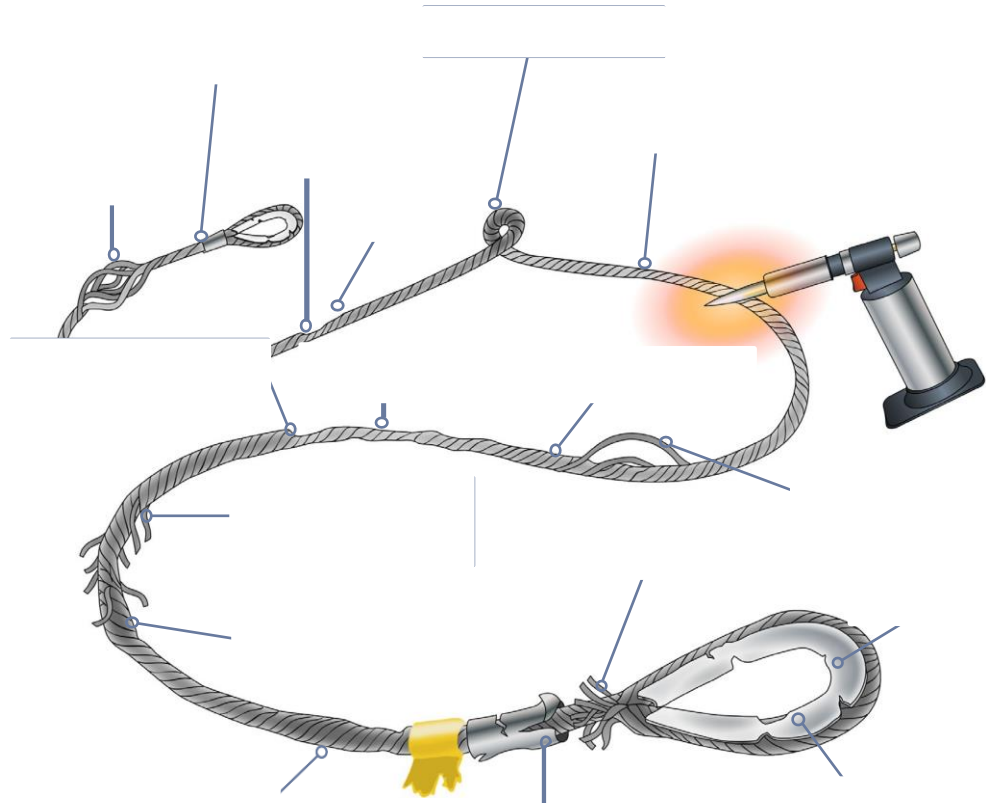
QUESTION 62

Name some problems that make a synthetic sling unsafe to use.



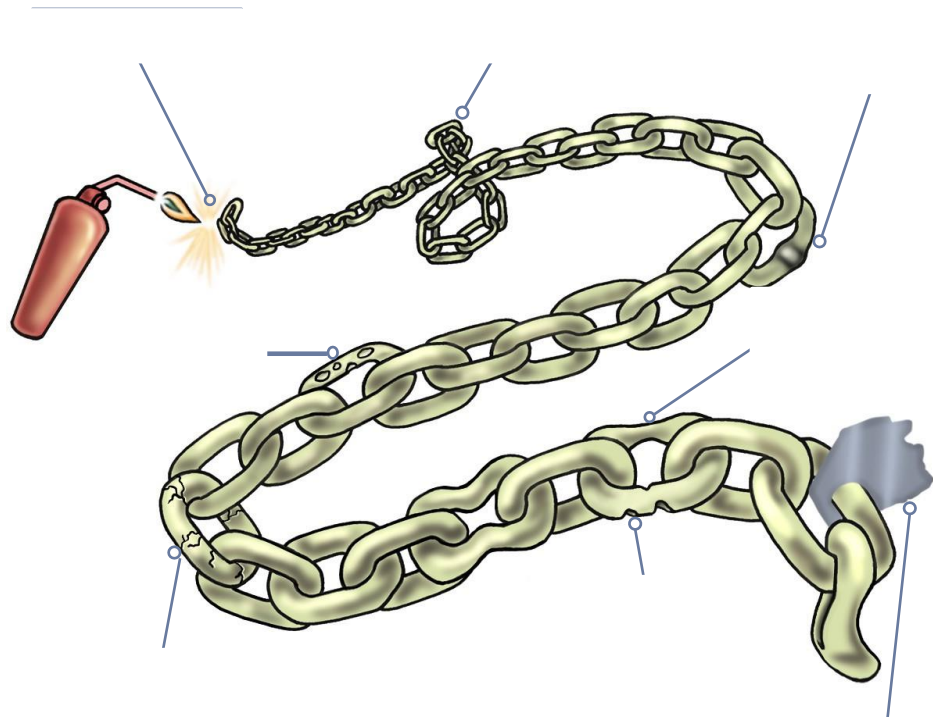
QUESTION 63

Name some problems that stop you from using a flexible steel wire rope (FSWR) for lifting.



QUESTION 64

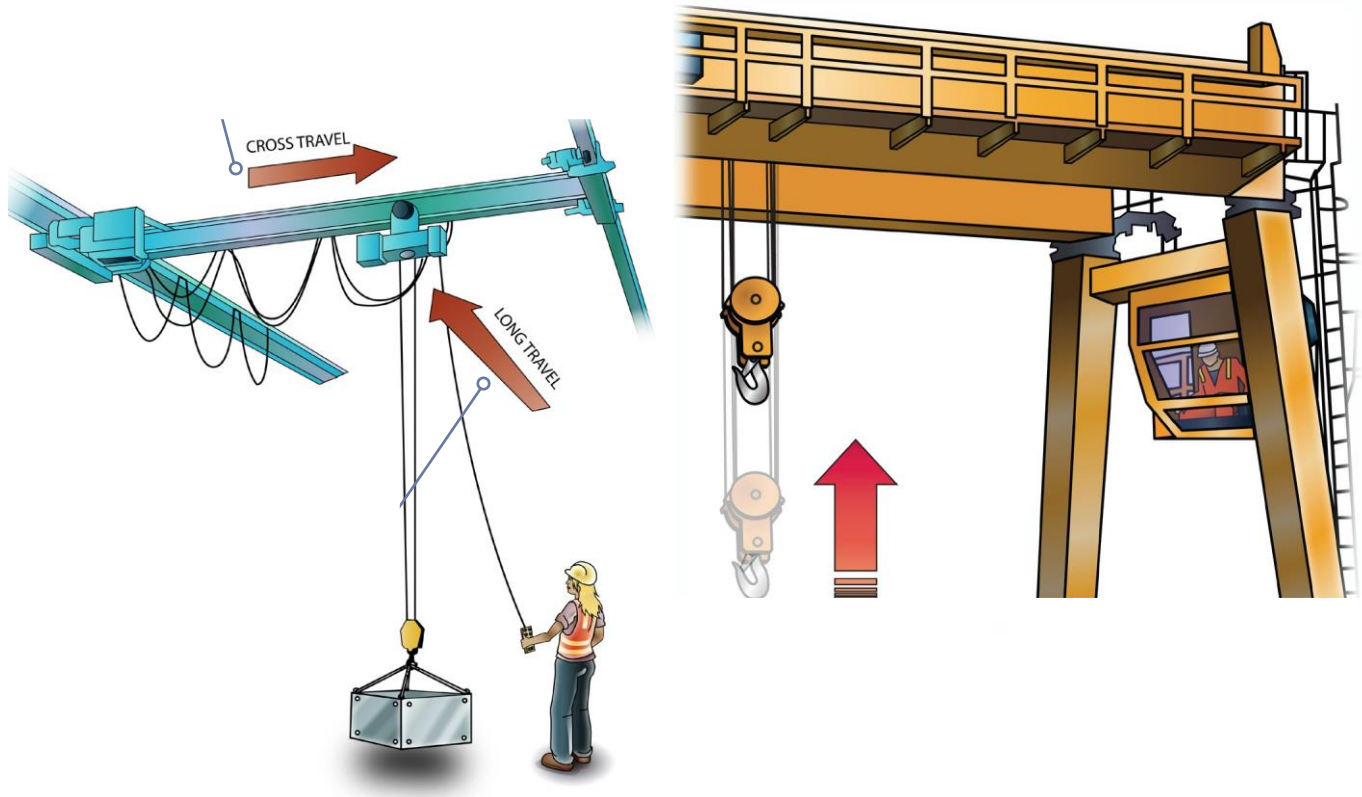
Name some problems that stop you from using a lifting chain for lifting.



Test the movements

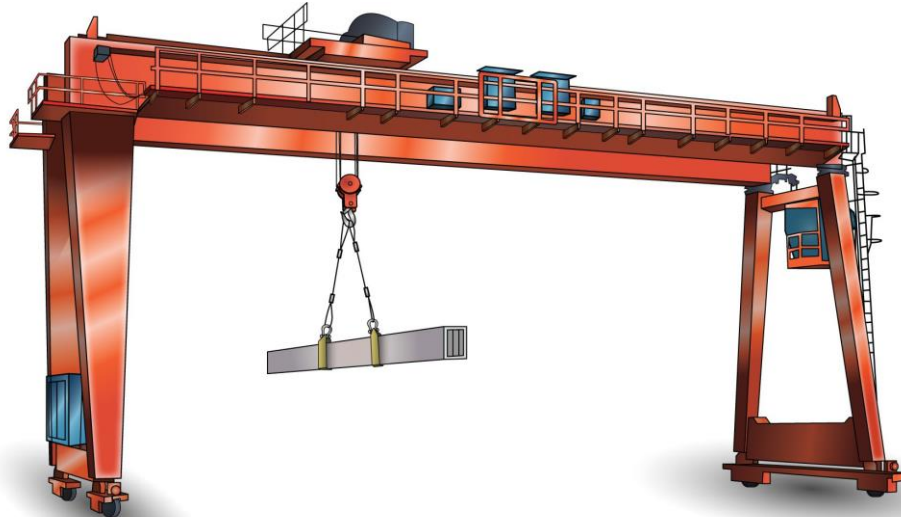
Test the crane's movements to make sure everything works and the crane can do all of its movements to full capacity.

The movements you test are:



Transfer loads

Chapter 3



Position the hoist block

